THOMSON CONSUMER ELECTRONICS

Service

NORDMENDE THOMSON TECHNOLOGY SABA TELEFUNKEN THOMSON

RUNDFUNK
RADIO
RADIO

Bestell-Nr. 102.037.80

SABA CS 3270 CD

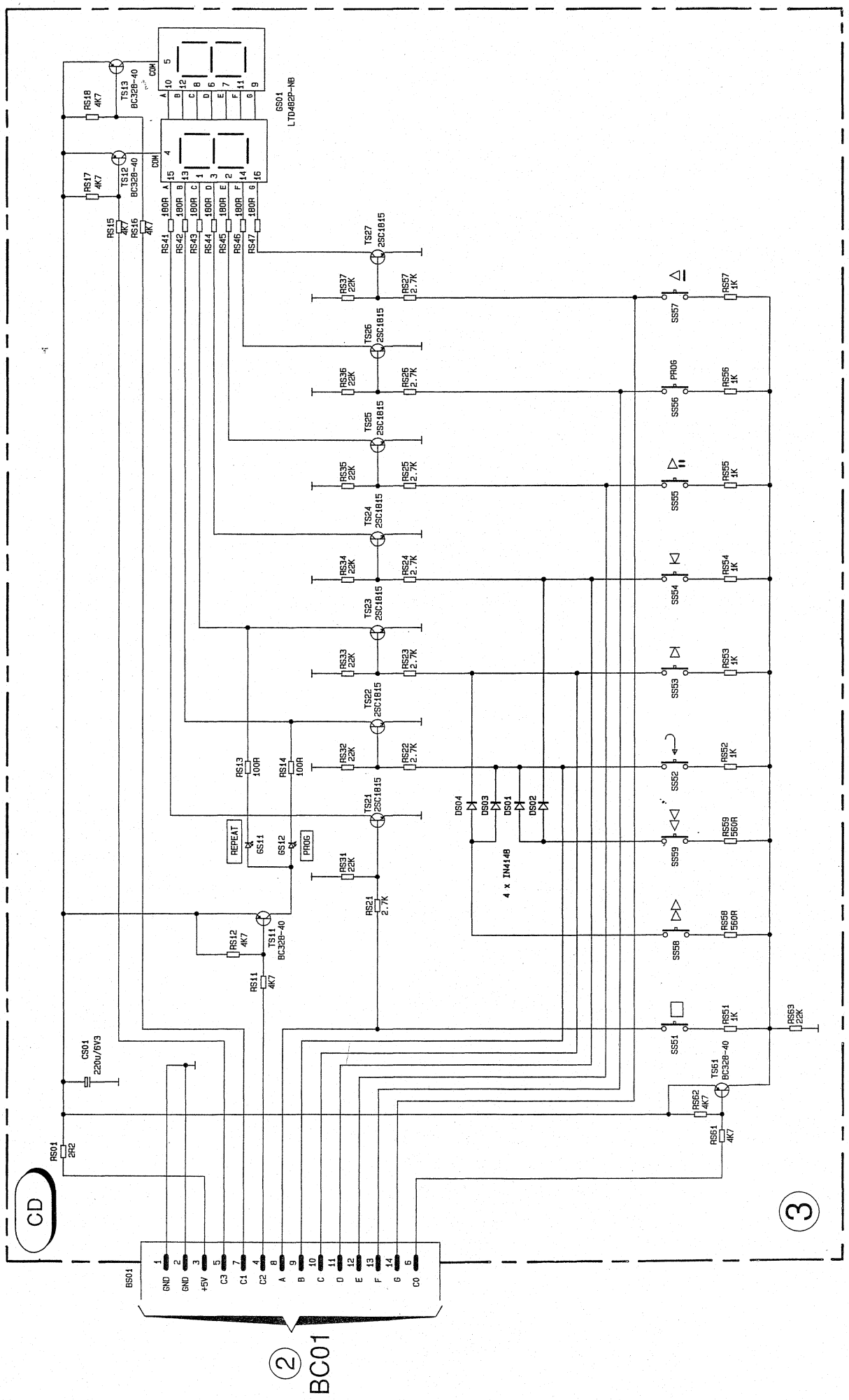
ACHTUNG! Ersatzteilbestellungen
sind schneller und kostengünstiger über
Fax 0511/418-1960

Stromlaufplan – Lagepläne – Service-Einstellungen – Ersatzteile
Schematic Diagram – Component Layouts – Service Adjustments · Spare Parts
Schéma – Plan de localisation – Réglages de service – Pièces de rechange

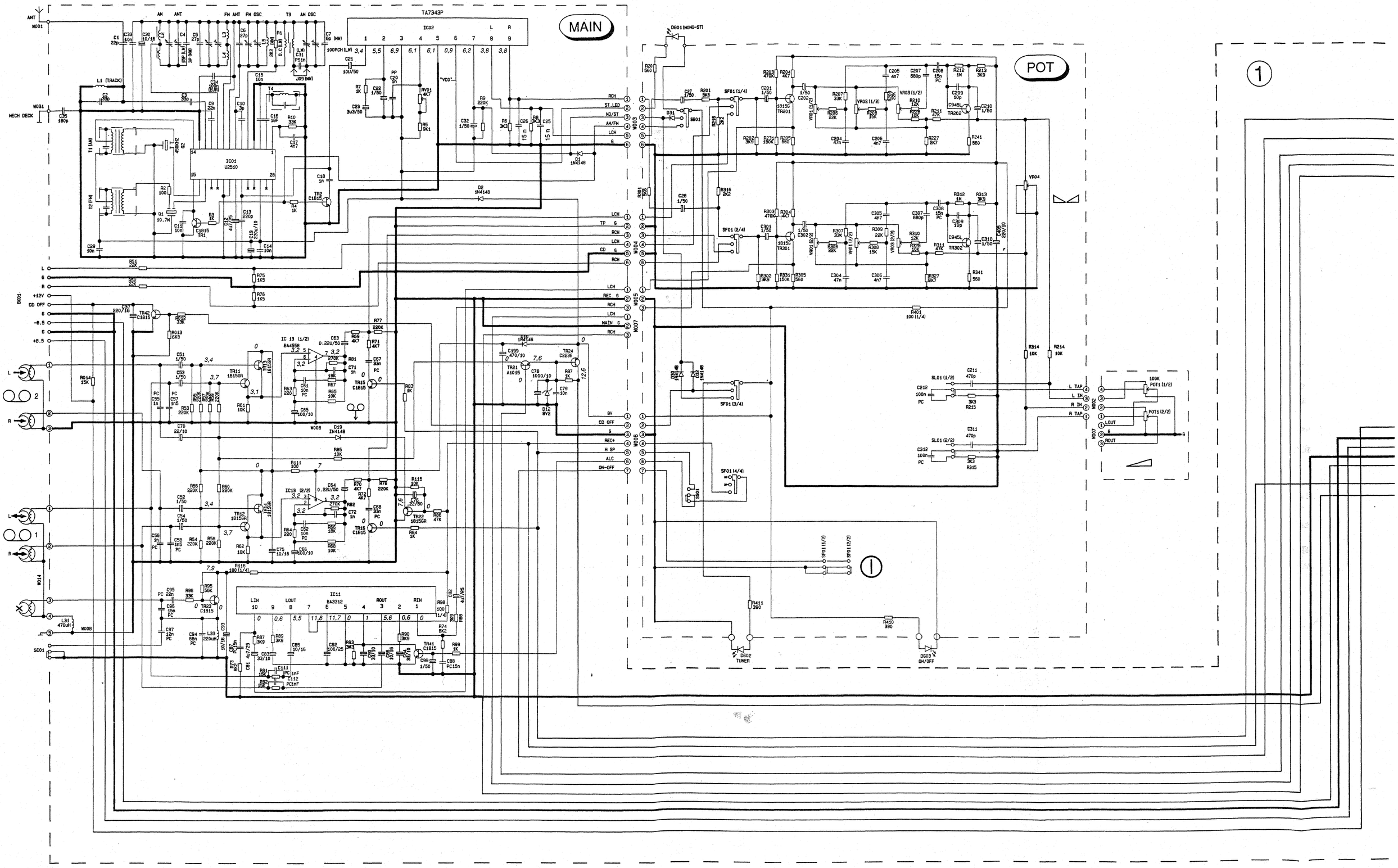
Wichtige Hinweise
Die Sichereit des Gerätes muß nach einer Reparatur oder Überprüfung erhalten bleiben. Es dürfen deshalb Keine Konstruktiven Merkmale des Gerätes sicherheitsmindernd verändert werden (z.B.müssen Abdeckungen ordnungsgemäß angebracht sein).
Ersatzteile müssen hinsichtlich ihrer Daten und ihrer Merkmale dem getauschten Teil entsprechen, damit die Sicherheit des Gerätes nicht vermindert wird.
Verwenden Sie deshalb nur Original-Ersatzeile.

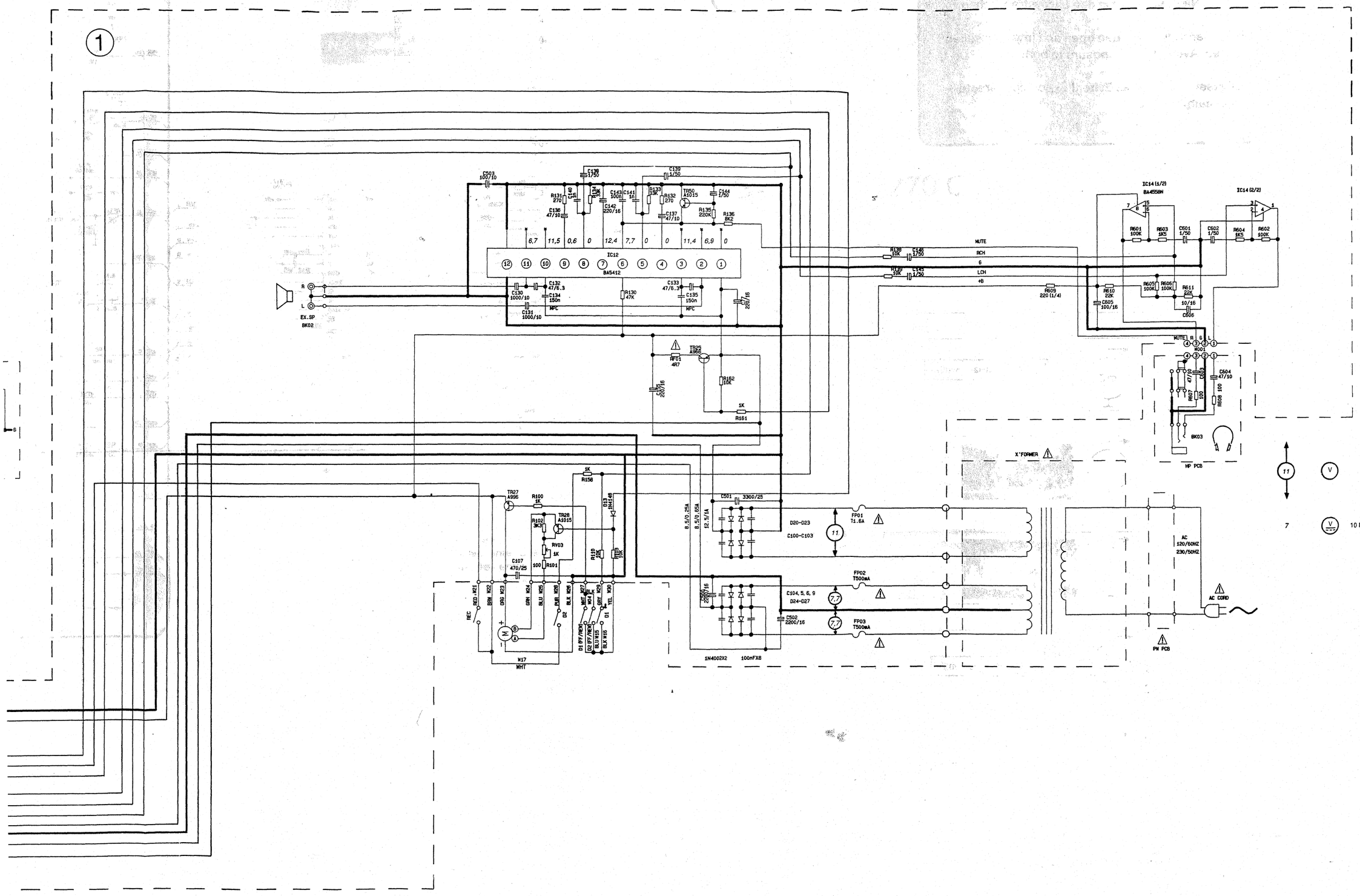
Important note
The unit must remain safe after repair or checking. Therefore, no design features of the unit may be alerted which would result in a reduction of safety (e.g. covers must be properly replaced).
With regards to their data and technical features, spare parts must correspond with the replaced part, so as not to reduce the safety of the unit.
Therefore, only use original spare parts.

Recommandations importantes
L'appareil doit remplir les mêmes conditions de sécurité après une réparation ou une révision. Aucune caractéristique de construction de l'appareil ne doit donc être modifiée de telle sorte que la sécurité de l'appareil en soit diminuée (par ex., les couvercles doivent être remis en place correctement).
Les caractéristiques et les propriétés des pièces de rechange doivent coïncider avec celles de la pièces qui est remplacée afin de ne pas réduire la sécurité de l'appareil.
N'utilisez donc que des pièces de rechange d'origine.


GS01
LTD482P-NB
TS13 BC328-40
TS12 BC328-40
TS11 BC328-40
TS51 BC328-40
TS27 2SC1815
TS26 2SC1815
TS25 2SC1815
TS24 2SC1815
TS23 2SC1815
TS22 2SC1815
TS21 2SC1815
RS18 4K7
RS17 4K7
RS15 4K7
RS16 4K7
RS41 180R
RS42 180R
RS43 180R
RS44 180R
RS45 180R
RS46 180R
RS47 180R
RS37 22K
RS36 22K
RS35 22K
RS34 22K
RS33 22K
RS32 22K
RS31 22K
RS27 2.7K
RS26 2.7K
RS25 2.7K
RS24 2.7K
RS23 2.7K
RS22 2.7K
RS21 2.7K
RS13 100R
RS14 100R
RS12 4K7
RS11 4K7
RS62 4K7
RS61 4K7
RS57 1K
RS56 1K
RS55 1K
RS54 1K
RS53 1K
RS52 1K
RS59 560R
RS58 560R
RS51 1K
RS63 22K
SS57
SS56 PROG
SS55
SS54
SS53
SS52
SS59
SS58
SS51
DS04
DS03
DS01
DS02
4 x IN4148
REPEAT
GS11
GS12
PROG
CS01 220u/6V3
RS01 2R2
CD
BS01
GND
GND
+5V
C3
C1
C2
A
B
C
D
E
F
G
C0
2
BC01
3

Grundplatte Schaltbild · Main schematic diagram · Schéma de la platine




1
C503 100/10
C138 1/50
C139 1/50
R131 270
C145 100
R134 33K
C143 100/10
C141 1n
R133 33K
R132 270
TR50 A1015
C144 1/50
C136 47/10
C142 220/16
C137 47/10
R135 220K
R136 8K2
6,7
11,5
0,6
0
12,4
7,7
0
0
11,4
6,9
0
IC12
12 11 10 9 8 7 6 5 4 3 2 1
BA5412
R
L
EX.SP
BK02
C130 1000/10
C132 47/6.3
C134 150n
NPC
C131 1000/10
R130 47K
C133 47/6.3
C135 150n
NPC
220/16
TR52 A968
RF01 4R7
R162 10K
1K
R161
C129 220/16
1K
R158
TR27 A996
R100 1K
TR28 A1015
R102 3K3
RV03 1K
C107 470/25
100
R101
D13 1N4148
R110 1K
D12 1N4148
REC
RED M21
BRN M22
ORG M23
GRN M24
BLU M25
PUR M26
BLK M28
WHT M27
BLU M14
GRY M29
YEL M30
D2
D1 EFF/REW
D2 EFF/REW
BLU M15
BLK M16
D1
W17
WHT
WUTE
RCH
6
LCH
+8
R139 10K
C146 1/50
R140 10K
C145 1/50
R609 220 (1/4)
IC14 (1/2)
BA4558N
IC14 (2/2)
R601 100K
R603 1K5
C601 1/50
C602 1/50
R604 1K5
R602 100K
R605 100K
R606 100K
R611 22K
C605 100/16
R610 22K
10/16
C606
MUTE R
M001
C504 47/10
C503 47/10
R607 150
R608 100
BK03
HP PCB
X'FORMER
C501 3300/25
0.5/0.25A
0.5/0.65A
12.5/1A
D20-D23
C100-C103
11
FP01 T1.6A
FP02 T500mA
C104, 5, 6, 9
D24-D27
7,7
FP03 T500mA
C502 2200/16
C506 2200/16
1N4002X2
100nFXB
AC 120/60HZ 230/50HZ
AC CORD
PW PCB
11
V
7
V
10 MΩ

Vorsicht bei Reparaturen: Bei geöffneter Schublade und Defekt der Sicherheitsvorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.

Danger: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

Attention: le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.

Abgleich · Adjustments · Reglages

BIT PLL FREERUN - BATTEMENT LIBRE DU PLL

□	LD06	BD02	Hz	f = 4,321 MHz ± 6 kHz

FOCUS OFFSET

▷	PB12	BB05	DC	V Max.

TRACKING OFFSET

▷ 1 2	PB08	1 BL05	DC	a, b, 0 V, a = b

FOCUS GAIN

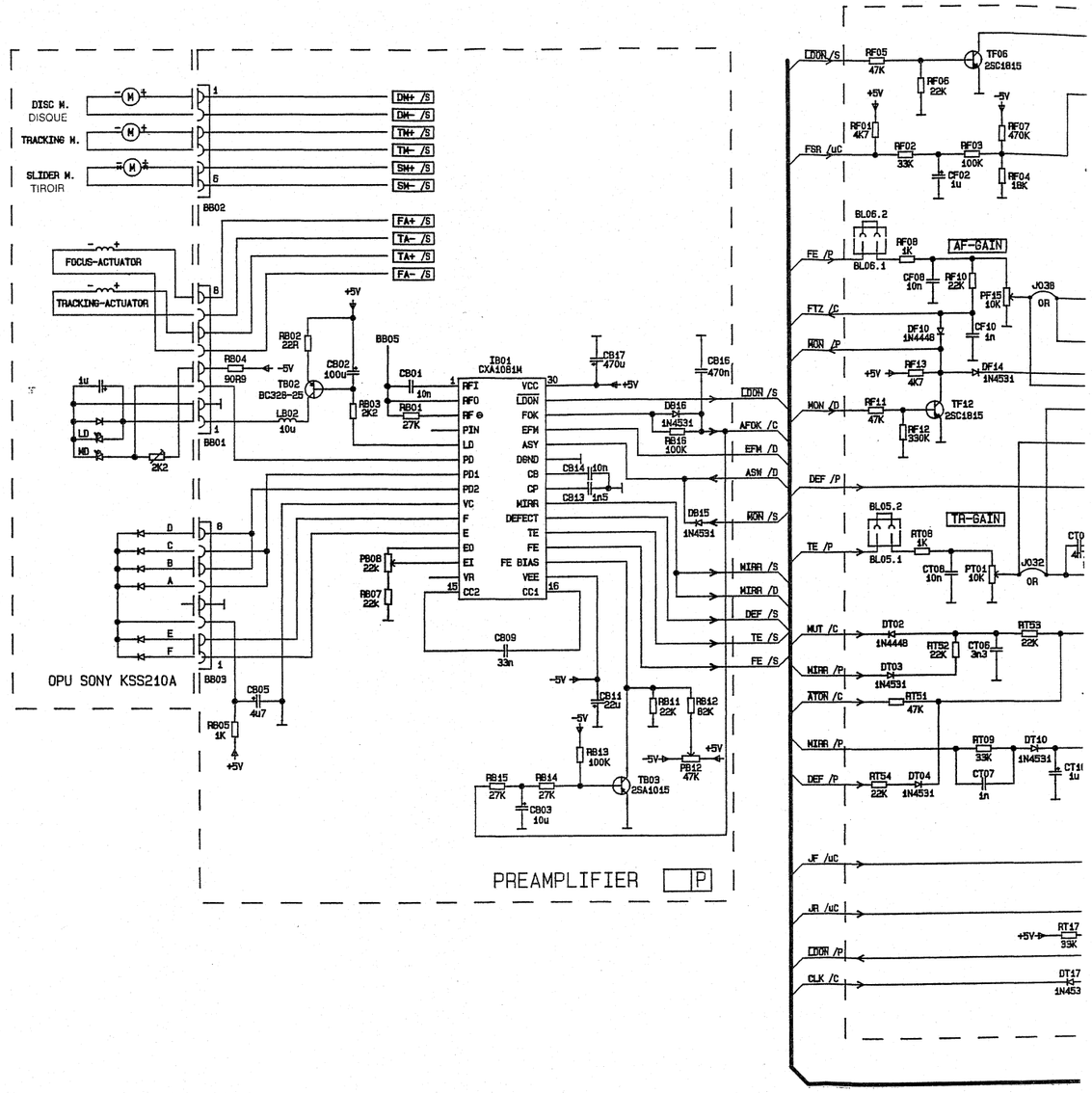
▷ - Den ersten Titel einer CD spielen - Play the 1st track recorded - Lire le premier morceau du disque	PF15	Focus coil / Bobine focus	mV	V = 100 mV ± 5 mV

TRACKING GAIN

▷ - Den ersten Titel einer CD spielen - Play the 1st track recorded - Lire le premier morceau du disque	PT01	Tracking coil / Bobine tracking	mV	V = 100 mV ± 5 mV

Digitalverarbeitung Schaltbild · Digital processing schematic diagram · Schéma du traiteme

TRCD



FOCUS SERVO AMP

TRACKING SERVO AMP

FOR TOP10 PICKUP ONLY

RADIAL DETECTOR

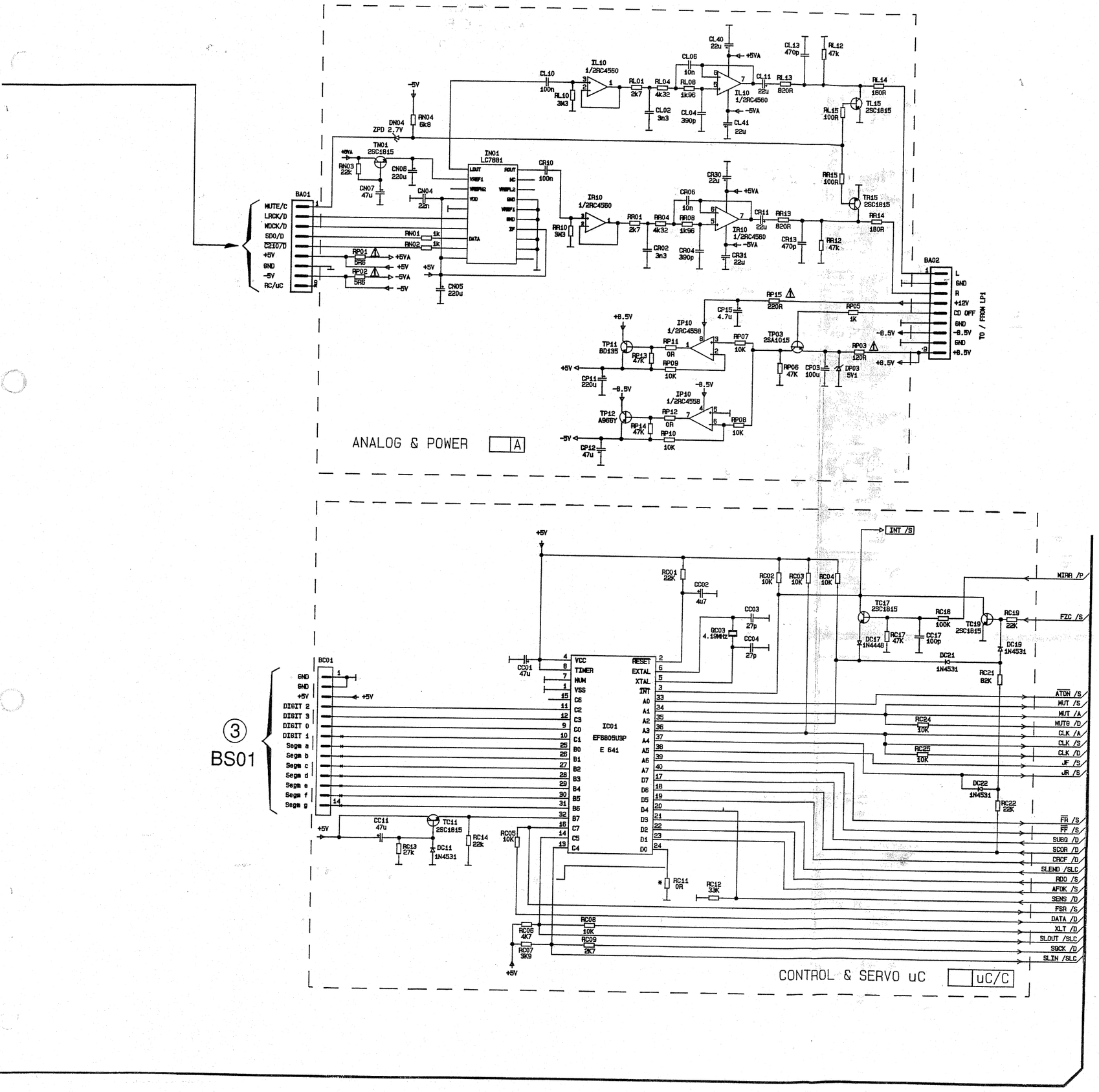
DECODER D

SLIDER CONTROL SLC

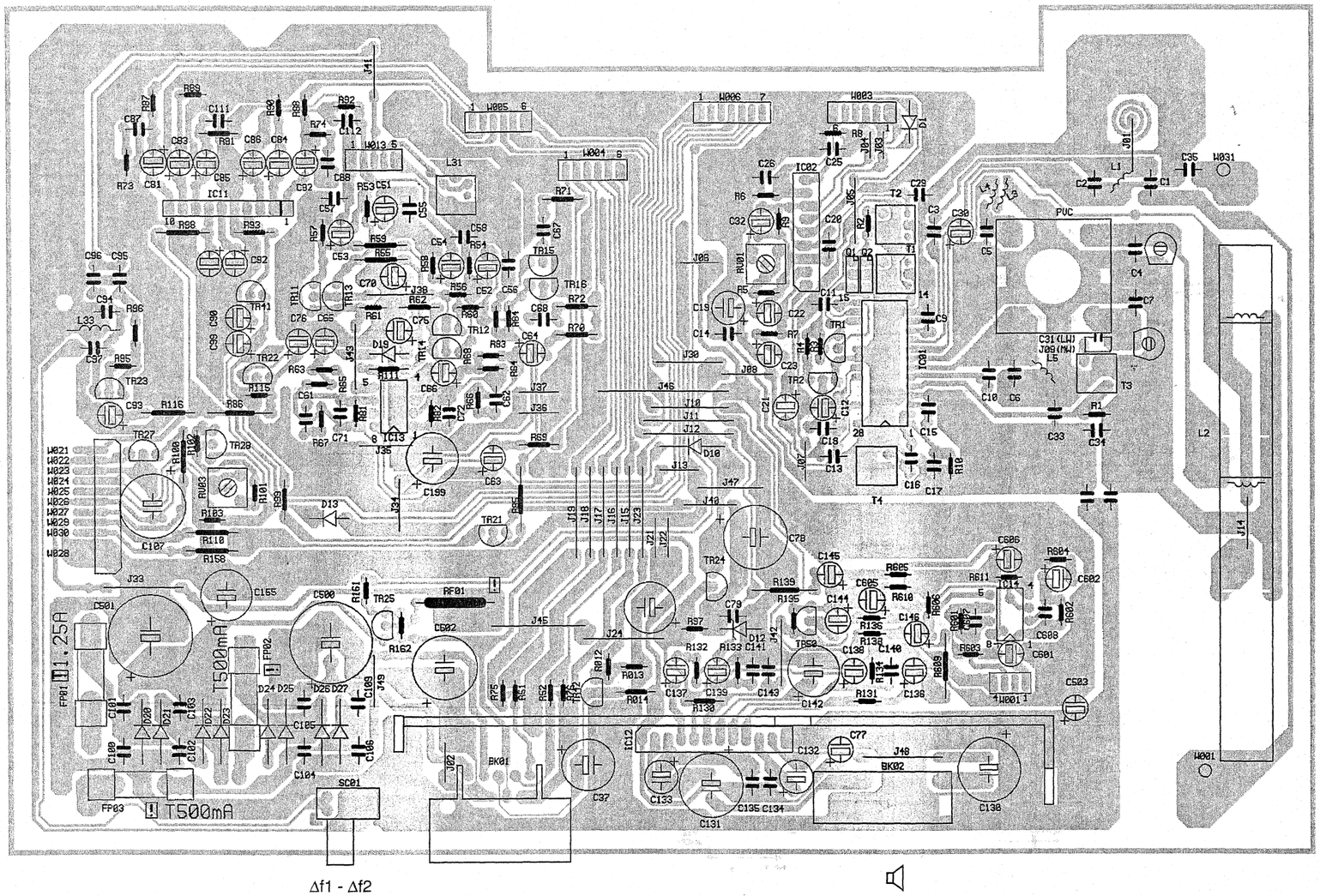
SERVO S

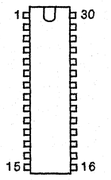
TRACKING MOTOR POWER AMP

DISC MOTOR POWER AMP

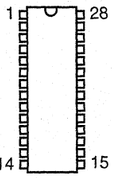

ANALOG & POWER
A
BA01
MUTE/C
LRCK/D
MDCK/D
SDO/D
CCIO7/D
+5V
GND
-5V
RC/uC
IN01
LC7881
LOUT
ROUT
VREF1
NC
VREF2
VREFL2
VDD
GND
VREF1
GND
XF
DATA
IL10
1/2RC4560
IR10
1/2RC4560
IP10
1/2RC4558
TN01
2SC1815
DN04
ZPD 2,7V
RN04
6k8
RN03
22K
CN06
220u
CN07
47u
CN04
22n
CN05
220u
RN01
1k
RN02
1k
RP01
5R6
RP02
5R6
CL40
22u
CL06
10n
CL10
100n
RL10
3k3
RL01
2k7
RL04
4k32
RL08
1k96
CL02
3n3
CL04
390p
CL11
22u
CL41
22u
CL13
470p
RL12
47k
RL13
820R
RL14
180R
RL15
100R
TL15
2SC1815
CR30
22u
CR06
10n
CR10
100n
RR10
3k3
RR01
2k7
RR04
4k32
RR08
1k96
CR02
3n3
CR04
390p
CR11
22u
CR31
22u
CR13
470p
RR12
47k
RR13
820R
RR14
180R
RR15
100R
TR15
2SC1815
BA02
L
GND
R
+12V
CD OFF
GND
-8.5V
GND
+8.5V
TO / FROM LP1
RP15
220R
RP05
1K
CP15
4.7u
TP11
BD135
TP12
A966Y
TP03
2SA1015
RP11
0R
RP12
0R
RP13
47K
RP14
47K
RP07
10K
RP09
10K
RP10
10K
RP08
10K
RP06
47K
CP03
100u
DP03
5V1
RP03
120R
CP11
220u
CP12
47u
+8.5V
-8.5V
+5V
-5V
INT /S
MIRR /P
FZC /S
ATON /S
MUT /S
MUT /A
MUTG /D
CLK /A
CLK /S
CLK /D
JF /S
JR /S
FR /S
FF /S
SUBQ /D
SCOR /D
CRCF /D
SLEND /SLC
RDO /S
AFOK /S
SENS /D
FSR /S
DATA /D
XLT /D
SLOUT /SLC
SQCK /D
SLIN /SLC
TC17
2SC1815
TC19
2SC1815
RC16
100K
RC17
47K
CC17
100p
RC19
22K
DC17
1N4448
DC19
1N4531
DC21
1N4531
RC21
82K
DC22
1N4531
RC22
22K
RC24
10K
RC25
10K
BC01
GND
GND
+5V
DIGIT 2
DIGIT 3
DIGIT 0
DIGIT 1
Segm a
Segm b
Segm c
Segm d
Segm e
Segm f
Segm g
③
BS01
IC01
EF6805U3P
E 641
RESET
EXTAL
XTAL
INT
VCC
TIMER
NUM
VSS
RC01
22K
CC02
4u7
CC03
27p
CC04
27p
QC03
4.19MHz
CC01
47u
RC02
10K
RC03
10K
RC04
10K
CC11
47u
TC11
2SC1815
RC13
27K
DC11
1N4531
RC14
22K
RC05
10K
RC06
4K7
RC07
3K9
RC08
10K
RC09
2K7
RC11
0R
RC12
33K
CONTROL & SERVO uC
uC/C

Grundplatte L.T.P.
Main P.C.B.
Platine principale

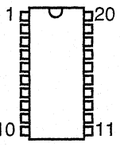




BA 3312

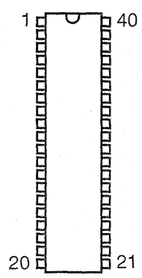


U 2510 B



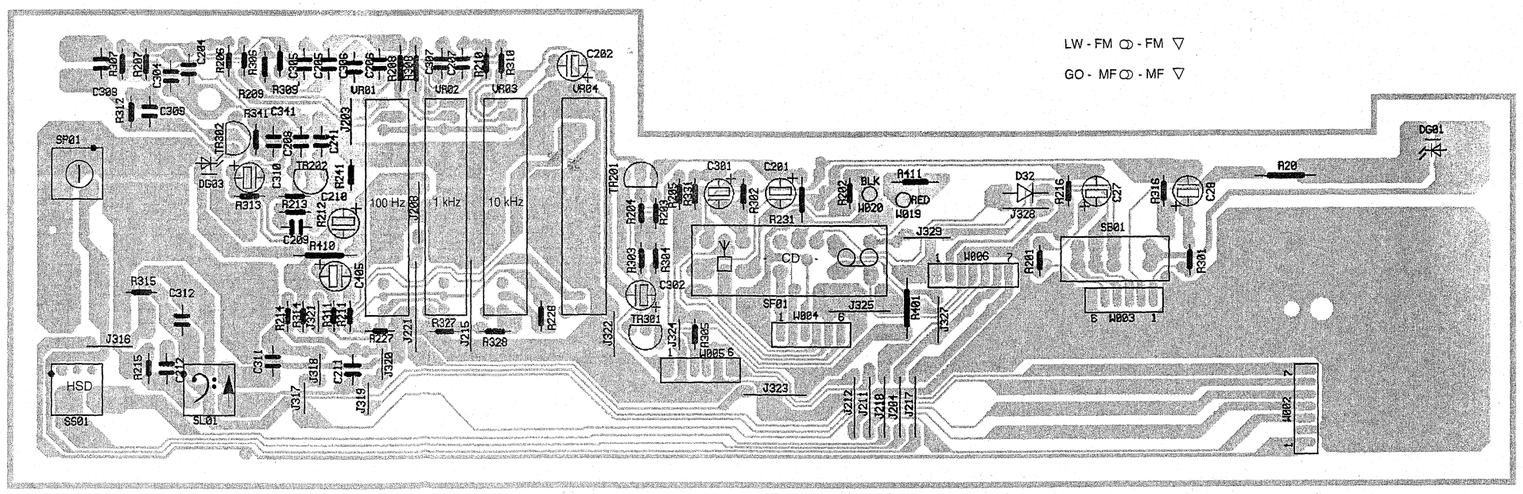
LC 7881

BA 4558
BA 4560
L 272 M
TL 082

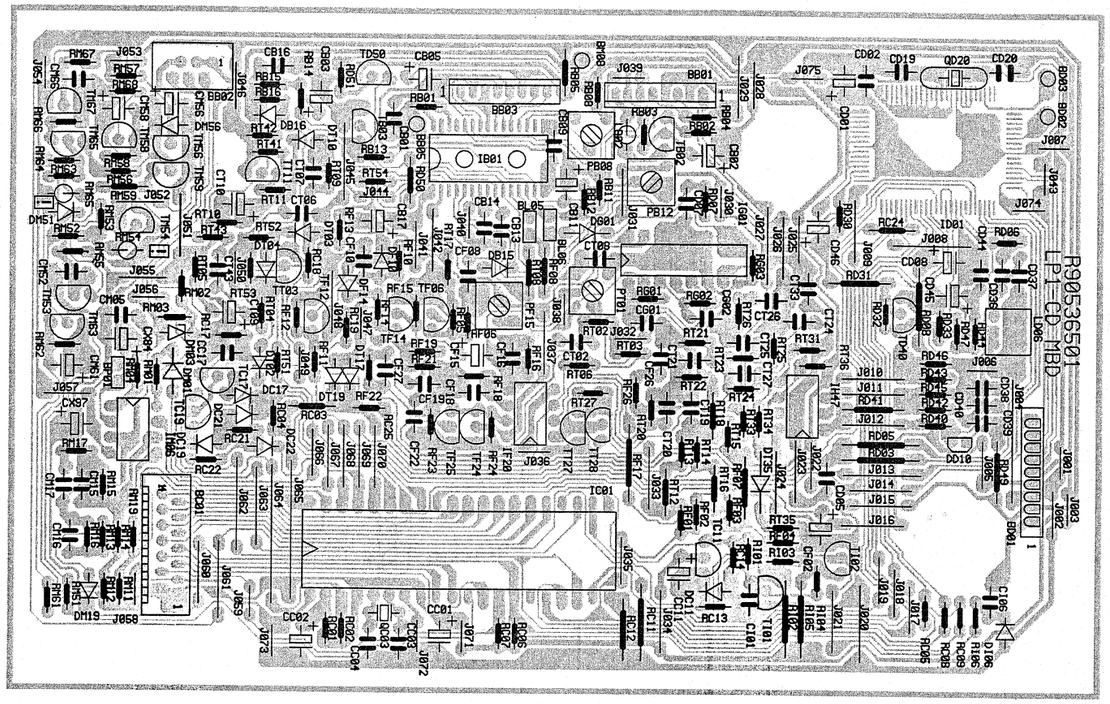


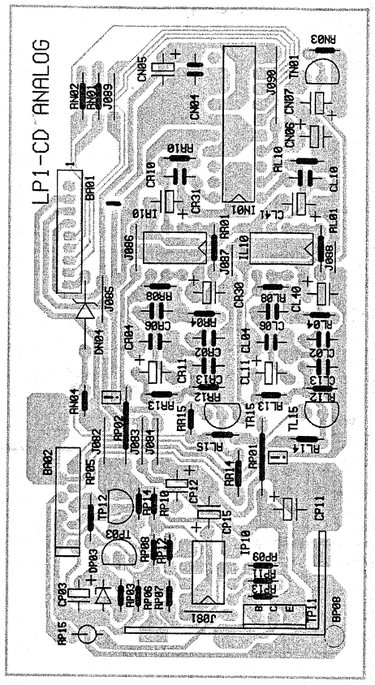
EF 6805 U3P

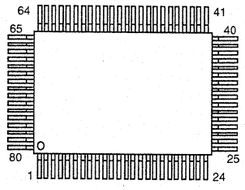
Regler L.T.P.
Controls P.C.B.
Platine potentiomètres



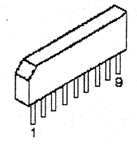
Digitalverarbeitung L.T.P.
Digital processing P.C.B.
Platine traitement digital



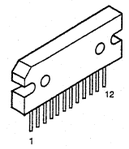




CXD 1167

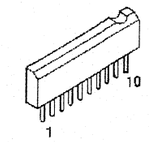


TA 7343 P



BA 5412

Bestückungsseite
Component side
Côté composants



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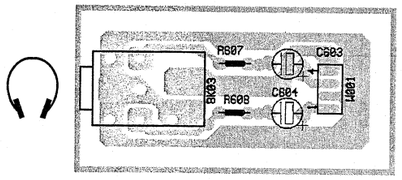
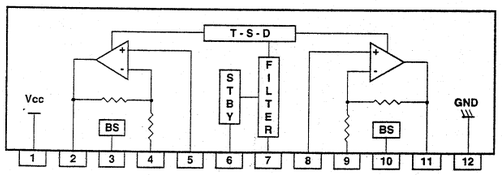
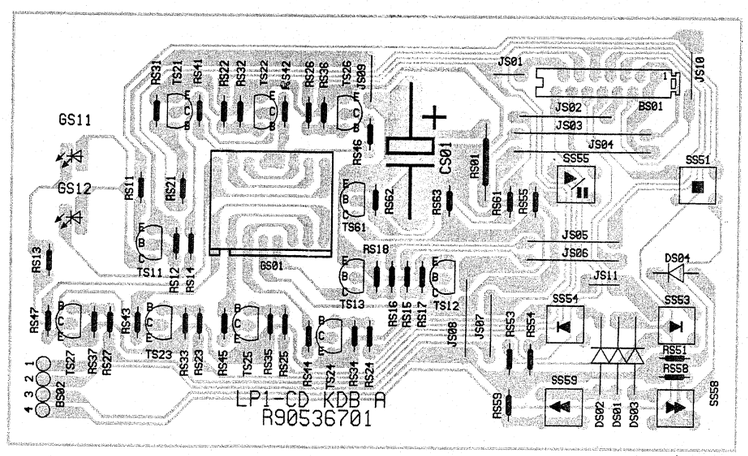


Kopfhörerbuchse L.T.P.
Headphone-jack P.C.B.
Platine prise-casque

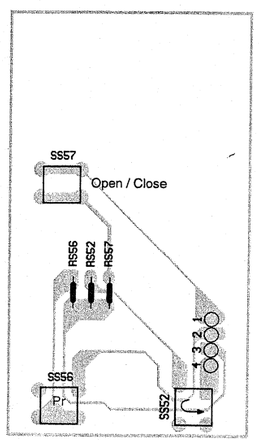
IC12 BA 5412



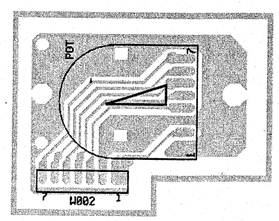
Bedienteil/Anzeiger L.T.P.
Control/Display P.C.B.
Platine commandes/Afficheurs

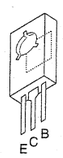


Taste L.T.P.
Key P.C.B.
Platine touche



Lautstärke L.T.P.
Volume P.C.B.
Platine volume





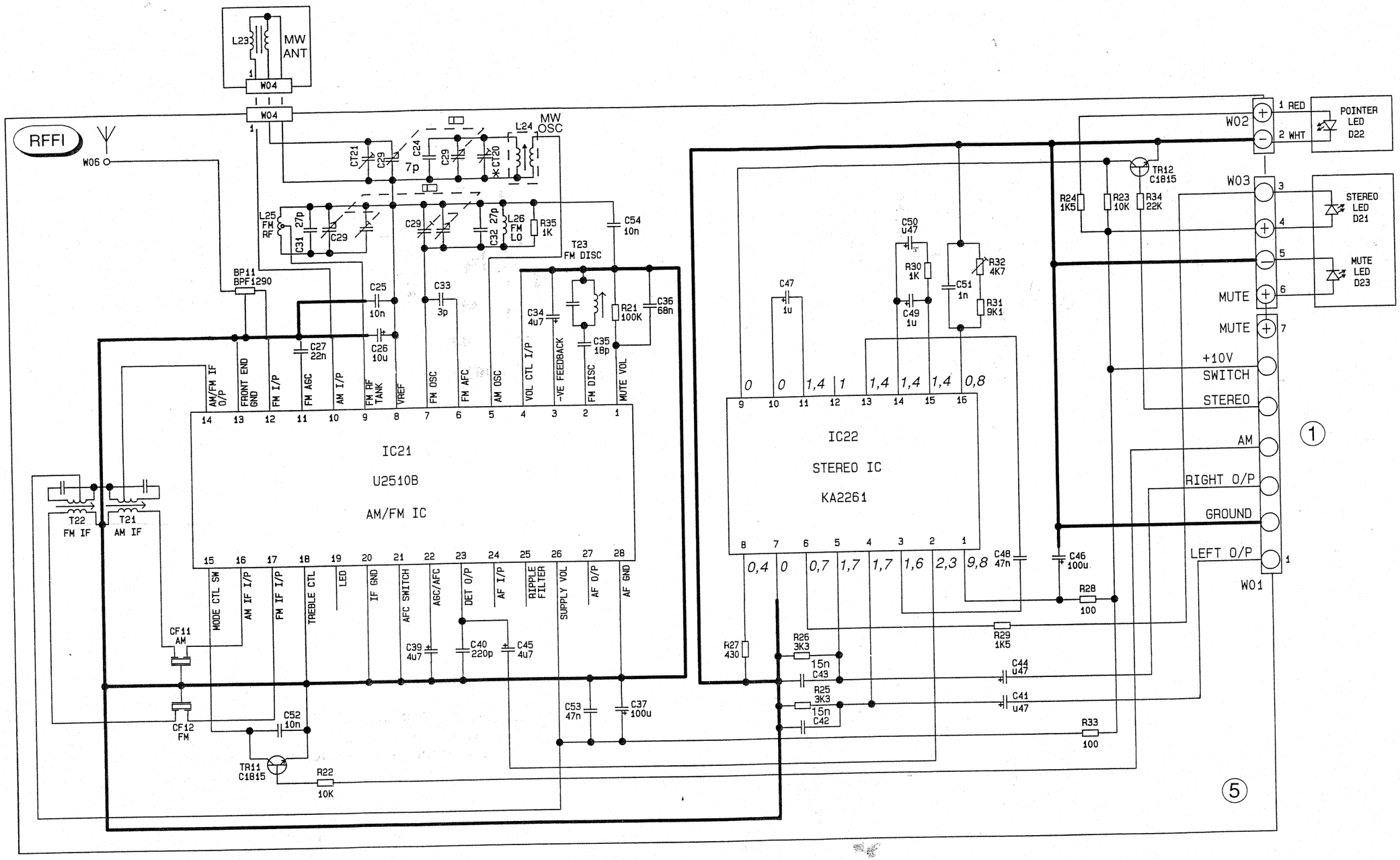
BD 135

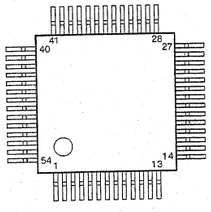
2 SA 966
2 SC 2236

2 SA 1015
2 SC 1815GR

BC 328 - 40

HF/ZF Schaltbild · RF/IF schematic diagram · Schéma HF/FI

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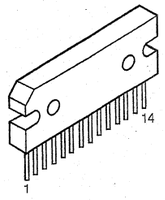
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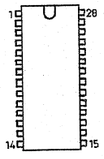
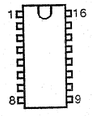

U 2510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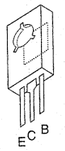
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